



PATENT ABSTRACTS OF JAPAN

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B01D 53/22(21) Application number: **57168598**(22) Date of filing: **29.09.1982**(71) Applicant: **TEIJIN LTD**(72) Inventor: **YAMADA KENKO**
UEDA FUMIO
HASHIMOTO EIICHI
MORI KO**(54) PREPARATION OF COMPOSITE PERMEABLE MEMBRANE FOR SEPARATING GAS**

cludes, e.g. ethylenediamine and propylenediamine.

(57) Abstract:

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PURPOSE: To prepare a composite permeable membrane for separating a gas, which has high gas permeability and undergoes rapid membrane forming reaction, by contacting a membrane substrate, obtained by coating a porous support membrane with siloxane diisocyanate, with vapor containing a polyamino compound.

CONSTITUTION: A membrane substrate obtained by coating a porous support membrane with siloxane diisocyanate, wherein at least 50mol% of the total polyisocyanate component is represented by formulae I and/or II, is contacted with vapor containing a polyamino compound having at least two primary and/or secondary amino groups to form an ultra-thin membrane on said support membrane. The polyamino compound is usually liquid or a low m.p. one and in-

